

ABSTRACT

A flying sphere is photographed twice at a predetermined time interval and two static images thus obtained are used to measure a rotation of the sphere through an image processing based on a recognition mark of a surface of the sphere. The recognition mark includes a central mark (13) having a directivity and a rotating angle calculating mark (15) provided to surround the central mark (13). The central mark (13) includes a rectangle (17) and a circle (19) provided apart from the rectangle (17) adjacently to one of short sides of the rectangle (17). Three or more rotating angle calculating marks (15) are provided. Respective center positions of the rotating angle calculating marks (15) are present in a region provided apart from a center position of the central mark (13) by 13 mm to 17 mm.